

MODELS: Douglas Dolphin 1 Special, 6PCAMM

T.C. NUMBER: 2-366

Engines	2 P&W Wasps Jr. R-985-AN-3																				
Fuel	87 minimum octane aviation gasoline																				
Engine limits																					
	<table border="0"> <tr> <td></td> <td>HP</td> <td>RPM</td> <td>MP</td> <td>ALT</td> </tr> <tr> <td>Takeoff (one minute)</td> <td>365</td> <td>2200</td> <td>33</td> <td>---</td> </tr> <tr> <td>Maximum (except takeoff)</td> <td>330</td> <td>2200</td> <td>31</td> <td>S.L.</td> </tr> <tr> <td>Maximum (except takeoff)</td> <td>330</td> <td>2200</td> <td>28</td> <td>9,300'</td> </tr> </table>		HP	RPM	MP	ALT	Takeoff (one minute)	365	2200	33	---	Maximum (except takeoff)	330	2200	31	S.L.	Maximum (except takeoff)	330	2200	28	9,300'
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Airspeed limits	Level flight or climb - 126 mph True Ind. Glide or dive - 155 mph True Ind. Wing flaps rendered inoperative (fixed in up position)																				
Ceiling	Usable ceiling, one engine (may be realized under conditions shown)																				
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Zero	8350	2200	METO	81	None																
Additional conditions	(1) Standard Air (2) Either engine inoperative (3) Inoperative propeller windmilling (high pitch) (4) Carburetor air intake "Cold air" (5) Fuel 91 octane																				
Maximum weight	8350 lbs.																				
C.G. range	(+36.7) to (+41.3)																				
Datum	Leading edge of center section wing at side of hull																				
Crew	2 pilot and copilot (+4)																				
Passengers	2 (+89) and 2 (+118)																				
(See NOTE 1)																					
Maximum baggage	Aft of cabin compartment - 50 lbs. (+193) Front baggage compartment - None (-76)																				
Fuel capacity	2 center wing tanks - 90 gallons each (+62) (Use emergency fuel tank in level flight only.)																				
Oil capacity	18 gallons (+3)																				
Certification basis	Aero. Bulletin 7A																				
Serial Nos. eligible	999 only																				

Required Equipment:

101. BT-13 engine ring cowlings, exhaust collector ring and carburetor heater assembly
102. Battery - 12 volt
103. Two starters (electric)
104. Generator
105. 36x8 wheels and brakes (Bendix) with 8-ply tires (wheels must be placarded for these tires)
106. Two wing floats and struts
107. Sea gear (anchor, boat hook, rope and towing gear) must be carried at all times.
108. 8-1/4x4 retractable tail wheel with rubber tire
109. 2 Hamilton Standard propellers, hubs 2D30, blades 6101A-12 to 6101A-14. Diameter 10'10" maximum, 9'7/8" minimum. Pitch settings at 42" Sta. low pitch 7 degrees, high pitch 15 degrees

NOTE 1. Loading schedule must be carried in the aircraft at all times as follows:

Condition I - For two pilots - (+4)

1. Passengers to occupy seats from rear toward front of cabin.
2. 170 lbs. to be carried in each rear seat at (+118) 65 lbs. in one seat at (+89) at all times.
3. 50 lbs. to be carried in rear baggage compartment (+193) when number of passengers total less than 4, two at (+118) and two at (+89).
4. Maximum capacity front baggage compartment - None (-76).
5. Ballast carried in passenger seats must be properly secured.

Condition II - For one pilot - (+4)

1. Same as 1. above.
2. 150 lbs. to be carried in each rear seat (+118) at all times.
3. 50 lbs. to be carried in rear baggage compartment (+193) when passengers total less than 3, two at (+118) and one at (+89).
4. Same as 4. above.
5. Same as 5. above

*Minimum rate of descent at sea level minus (-) 350 feet per minute.